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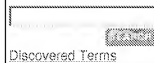
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- 1 [TreeJuxtaposer: scalable tree comparison using Focus+Context with guaranteed](#)
 Tamara Munzner, François Guimbretière, Serdar Tasiran, Li Zhang, Yunhong Zhou
 July 2003 **SIGGRAPH '03: SIGGRAPH 2003 Papers**

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 Structural comparison of large trees is a difficult task that is only partially supported by
 designed for browsing. We present TreeJuxtaposer, a system designed to support the

Keywords: Focus+Context, information visualization, phylogenetic tree, realtime renc

Also published in:

 July 2003 **Transactions on Graphics (TOG)** Volume 22 Issue 3

- 2 [Extended ephemeral logging: log storage management for applications with long li](#)
 John S. Keen, William J. Dally
 March 1997 **Transactions on Database Systems (TODS)** , Volume 22 Issue 1

 Publisher: ACM ☒ [Request Permissions](#)

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Keywords: OLTP, disk management, logging, long transactions

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 David D. Clark, Karen Sollins, John Wroclawski, Ted Faber
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 A system as complex as the Internet can only be designed effectively if it is based on a
 points in the architecture where there must be common understanding and agreement

Keywords: Architectural principles, application support, architecture design, design fo

Also published in:

 October 2003 **SIGCOMM Computer Communication Review** Volume 33 Issue 4

- 4 [Principled design of the modern Web architecture](#)



Roy T. Fielding, Richard N. Taylor
May 2002

Transactions on Internet Technology (TOIT), Volume 2 Issue 2

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (335.47 KB)

Additional Information: [full citation](#), [abstract](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 40, Downloads (12 Months): 457, Downloads (Overall): 4

The World Wide Web has succeeded in large part because its software architecture has scale distributed hypermedia application. The modern Web architecture emphasizes sc

Keywords: Network-based applications, REST, World Wide Web

5 [Language support for lightweight transactions](#)



Tim Harris, Keir Fraser

November 2003 **OOPSLA '03: Proceedings of the 18th annual ACM SIGPLAN conference on** and applications

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (224.15 KB)

Additional Information: [full citation](#), [abstract](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 24, Downloads (12 Months): 230, Downloads (Overall): 1

Concurrent programming is notoriously difficult. Current abstractions are intricate and reliable and scalable. We argue that these problems can be addressed by moving to a

Keywords: concurrency, conditional critical regions, non-blocking systems, transactio

Also published in:

November 2003 **SIGPLAN Notices** Volume 38 Issue 11

6 [Fault-tolerant platforms for automotive safety-critical applications](#)



M. Baleani, A. Ferrari, L. Mangeruca, A. Sangiovanni-Vincentelli, Maurizio Peri, Saverio Pe
October 2003 **CASES '03: Proceedings of the 2003 international conference on Complex**

Publisher: ACM

Full text available: [Pdf](#) (736.40 KB)

Additional Information: [full citation](#), [abstract](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 103, Downloads (Overall): 1

Fault-tolerant electronic sub-systems are becoming a standard requirement in the autc
pervasive in present cars. We address the issue of fault tolerant chip architectures for

Keywords: VLSI, automotive, fault-tolerant, multi-processor, safety critical, system-o

7 [Efficient user-space protocol implementations with QoS guarantees using real-time](#)



R. Gopalakrishnan, Gurudatta M. Parulker

August 1998 **IEEE/ACM Transactions on Networking (TON)**, Volume 6 Issue 4

Publisher: IEEE Press

Full text available: [Pdf](#) (205.42 KB)

Additional Information: [full citation](#), [references](#), [c](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 29, Downloads (Overall): 363

Keywords: multimedia communication, networks, operating system kernels, process protocols



8 [Boom chameleon: simultaneous capture of 3D viewpoint, voice and gesture annot](#)



Michael Tsang, George W. Fitzmaurice, Gordon Kurtenbach, Azam Khan, Bill Buxton

October 2002 **UI ST '02: Proceedings of the 15th annual ACM symposium on User interf**

Publisher: ACM  [Request Permissions](#)


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Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 84, Downloads (Overall): 112

We introduce the *Boom Chameleon*, a novel input/output device consisting of a flat-panel display. The display acts as a physical window into 3D virtual environments, through which a user can interact with virtual objects.


Keywords: 3D navigation, annotation, gesture, spatially-aware display, voice

9 Client-server computing in mobile environments

 Jin Jing, Abdelsalam Sumi Helal, Ahmed Elmagarmid

June 1999 **Computing Surveys (CSUR)**, Volume 31 Issue 2

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (233.31 KB)


[Additional Information](#): full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 73, Downloads (12 Months): 635, Downloads (Overall): 5

Recent advances in wireless data networking and portable information appliances have made mobile computing, in which users carrying portable devices have access to data and in

Keywords: application adaptation, cache invalidation, caching, client/server, data distribution applications, mobile client/server, mobile computing, mobile data, mobility awareness,

10 Concurrency and distribution in object-oriented programming

 Jean-Pierre Briot, Rachid Guerraoui, Klaus-Peter Lohr

September 1998 **Computing Surveys (CSUR)**, Volume 30 Issue 3

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (289.34 KB)


[Additional Information](#): full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 226, Downloads (Overall): 2

This paper aims at discussing and classifying the various ways in which the object paradigm is distinguished among the library approach, the integrative approach, and the ...


Keywords: concurrency, distribution, integration, libraries, message passing, object, parallelism

11 Empowerment in business process reengineering: an ethnographic study of implementation

 Kylie Sayer, Linda Harvey

December 1997 **ICIS '97: Proceedings of the eighteenth international conference on Information Systems**

Publisher: Association for Information Systems

Full text available:  [Pdf](#) (58.84 KB)

[Additional Information](#): full citation, references, summary

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 104, Downloads (Overall): 91


Keywords: business process reengineering, ethnography, resistance to change, state transition

12 Specification and dialogue control of visual interaction through visual rewriting systems

 P. Bottoni, M. F. Costabile, P. Muscillo

November 1999 **Transactions on Programming Languages and Systems (TOPLAS)**, Volume 21 Issue 5

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (886.71 KB)

[Additional Information](#): full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 80, Downloads (Overall): 51

Computers are increasingly being seen not only as computing tools but more so as communication tools. In this article, the focus is on visual HCI, where the human-computer interaction (HCI). In this article, the focus is on visual HCI, where the

Keywords: control automaton, dialogue control, visual languages

13 The evolution of Coda



M. Sathyanarayanan

May 2002

Transactions on Computer Systems (TOCS), Volume 20 Issue 2

Publisher: ACM

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Full text available: [Pdf](#) (441.35 KB)

Additional Information: [full citation](#), [abstract](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 150, Downloads (Overall): 1

Failure-resilient, scalable, and secure read-write access to shared information by mobile devices is a fundamental computing challenge. In this article, we describe how the Coda file system

Keywords: Adaptation, Linux, UNIX, Windows, caching, conflict resolution, continuous disconnected operation, failure, high availability, hoarding, intermittent networks, isolated mobile computing, optimistic replica control, server replication, translucent cache management

14 Hoard: a scalable memory allocator for multithreaded applications



Emery D. Berger, Kathryn S. McKinley, Robert D. Blumofe, Paul R. Wilson

December 2000

ASPLOS-IX: Proceedings of the ninth international conference on Architectured operating systems

Publisher: ACM

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Full text available: [Pdf](#) (430.66 KB)

Additional Information: [full citation](#), [abstract](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 71, Downloads (Overall): 603

Parallel, multithreaded C and C++ programs such as web servers, database managers, and other applications are becoming increasingly prevalent. For these applications, the memory allocator is often

Also published in:

December 2000 **SIGARCH Computer Architecture News** Volume 28 Issue 5

December 2000 **SIGOPS Operating Systems Review** Volume 34 Issue 5

15 Digital rights management in a 3G mobile phone and beyond



Thomas S. Messerges, Ezzat A. Dabbish

October 2003

DRM '03: Proceedings of the 3rd ACM workshop on Digital rights management

Publisher: ACM

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Full text available: [Pdf](#) (306.59 KB)

Additional Information: [full citation](#), [abstract](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 261, Downloads (Overall): 3

In this paper we examine how copyright protection of digital items can be securely managed. The basic concepts, strategies, and requirements for digital rights management are reviewed.

Keywords: MPEG-21, copyright protection, cryptography, digital content, digital rights management, mobile phone, open mobile alliance, security

16 Soft updates: a solution to the metadata update problem in file systems



Gregory R. Ganger, Marshall Kirk McKusick, Craig A. N. Soules, Yale N. Patt

May 2000

Transactions on Computer Systems (TOCS), Volume 18 Issue 2

Publisher: ACM


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Full text available:  Pdf (147.90 KB)Additional Information: [full citation](#), [abstract](#), [refs](#)**Bibliometrics:** Downloads (6 Weeks): 22, Downloads (12 Months): 95, Downloads (Overall): 92



Metadata updates, such as file creation and block allocation, have consistently been id security, and availability problems for file systems. Soft updates is an implementation

17 PostgreSQL performance tuning

Bruce Momjian

August 2001 **Linux Journal**, Volume 2001 Issue 88**Publisher:** Specialized Systems Consultants, Inc.Full text available:  Html (15.50 KB)Additional Information: [full citation](#), [abstract](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 21, Downloads (Overall): 266


Configure to get the most from PostgreSQL.

18 Hoard: a scalable memory allocator for multithreaded applications Emery D. Berger, Kathryn S. McKinley, Robert D. Blumofe, Paul R. WilsonNovember 2000 **SI GLAN Notices**, Volume 35 Issue 11**Publisher:** ACMFull text available:  Pdf (1.47 MB)Additional Information: [full citation](#), [abstract](#), [refs](#)**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 91, Downloads (Overall): 187



Parallel, multithreaded C and C++ programs such as web servers, database managers becoming increasingly prevalent. For these applications, the memory allocator is often

19 Metadata update performance in file systems

Gregory B. Ganger, Yale N. Patt

November 1994 **OSDI '94: Proceedings of the 1st USENIX conference on Operating Systems****Publisher:** USENIX AssociationFull text available:  Pdf (84.28 KB)Additional Information: [full citation](#), [abstract](#), [refs](#)**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 23, Downloads (Overall): 57,

Structural changes, such as file creation and block allocation, have consistently been ic many user environments. We compare several implementations that maintain metadat

20 Unified system builder through interacting blocks (USBIB) for soft real-time system Nunzio Nicolò Savino-Vazquez, Juan-Luis Anciano, Carlos JuizJuly 2002 **WOSP '02: Proceedings of the 3rd international workshop on Software an****Publisher:** ACM Full text available:  Pdf (167.41 KB)Additional Information: [full citation](#), [abstract](#), [refs](#)**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 11, Downloads (Overall): 203

From the functional point of view, one of the most usual approaches to carry out real-t system as a set of software modules such as activities collaborating through interactio

Keywords: MASCOT, performance modelling software components, real-time systems

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